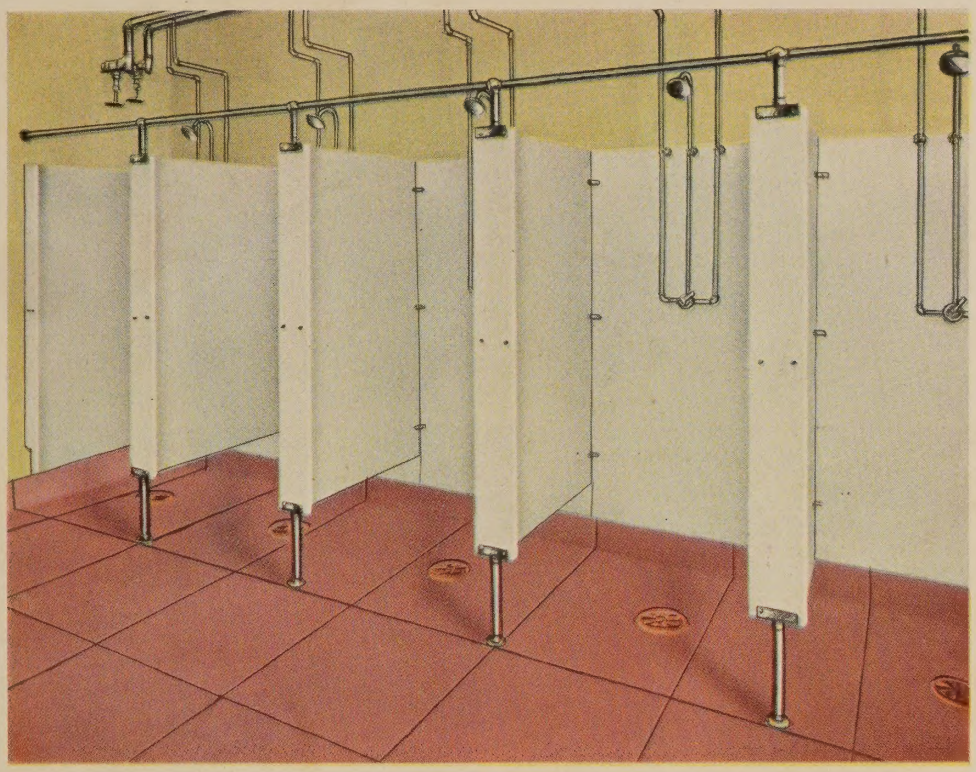
(3) HD $30.00

STRUCO SLATE



Lee Street School,
Grand Rapids, Mich.

Girls' Shower Stalls
White Struco Slate

NEW DATA

on STRUCTURAL SLATE *in* WHITE *or* COLOR

MANUFACTURED ONLY BY

THE STRUCTURAL SLATE CO.

PEN ARGYL, PENNSYLVANIA

91/2

STRUCO SLATE

NATURAL SLATE WITH AN APPLIED FINISH IN ANY COLOR

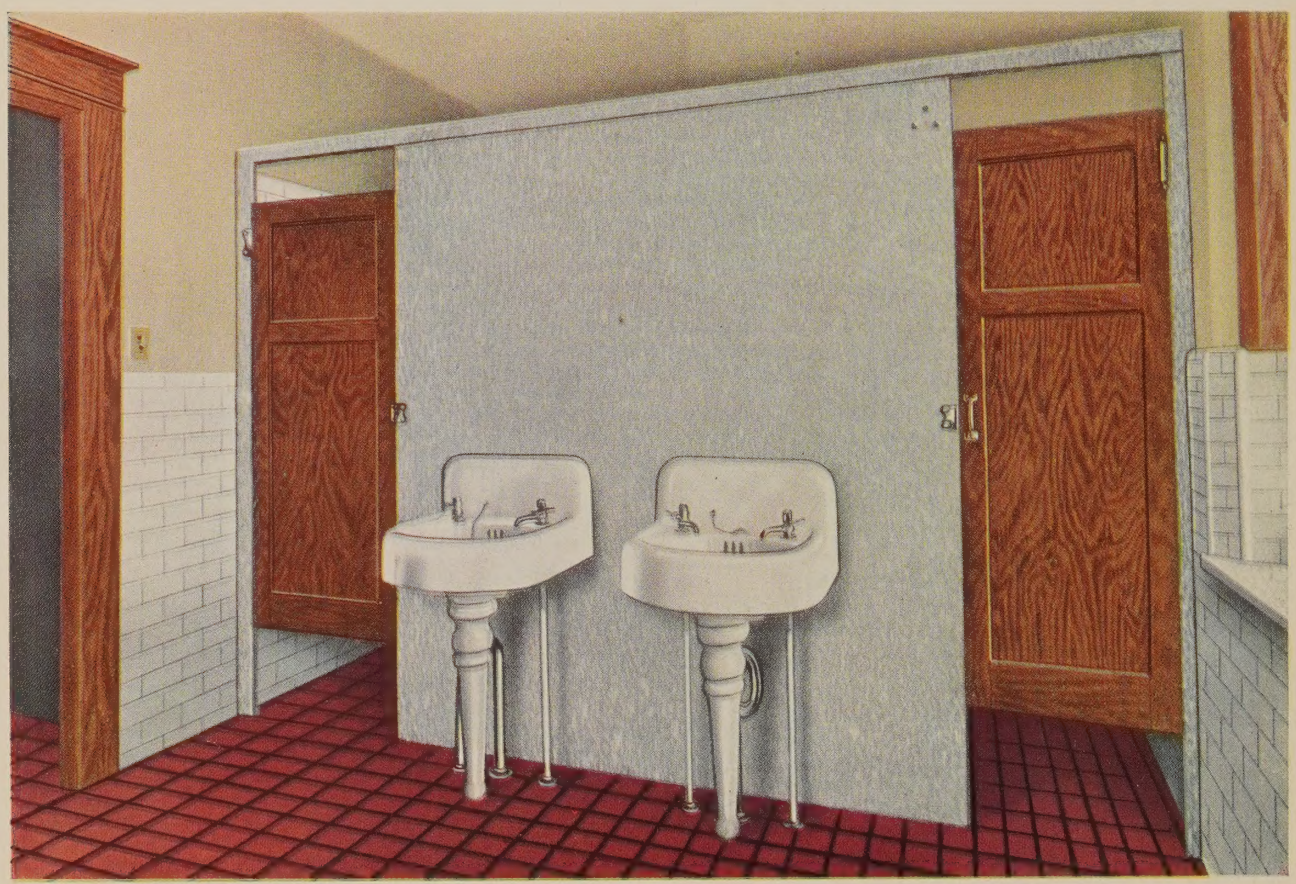
"Struco Slate" is natural slate colored with a finish that resists acids, does not crack, craze or peel, withstands wear and can be cleaned with little effort.

Natural slate possesses many unusual characteristics which, for sanitary purposes, makes it one of the most valuable of all of Nature's products.

The natural cleavage of slate permits it to be split into slabs of any desired thickness. This feature, together with its unusual strength, its resistance to wear and tear, its non-absorptive qualities, (as shown by University and Government laboratory tests) the ease with which it can be kept clean and hygienic makes slate unsurpassed for use as toilet enclosures, urinal stalls, shower stalls, laundry tubs, sinks and such purposes.

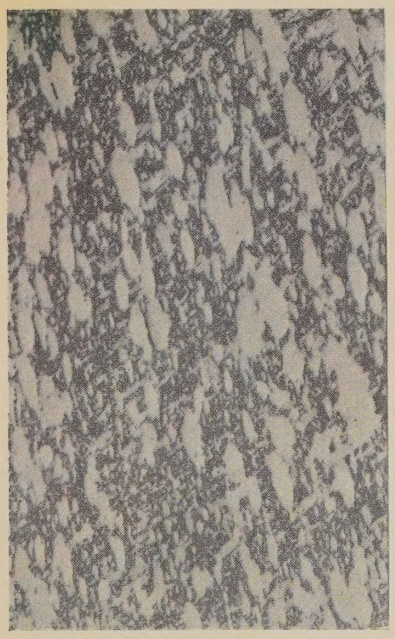
The non-absorptive feature of slate is its most important characteristic. This quality combined with its great strength and durability, and the fact that it requires a minimum expense for upkeep, especially recommends it to the architect and builder who desires a sanitary, permanent and economical installation.

In some locations, however, the naturally dark color



Lancaster County Masonic Home,
Elizabethtown, Penna.

Toilet Enclosures,
Gray Spatter Struco Slate



Struco Slate—4FGS

Struco Slate—6OGS

Struco Slate—7RS

of slate does not always harmonize with the effect desired or the intended use. In such instances, architects and contractors feel they can only utilize slate when its natural tones do not conflict with the design or color effect of the room or space in which it is to be placed.

Realizing this and in response to repeated requests, the Structural Slate Company undertook an exhaustive program of research to determine if it was possible to obtain a finish for slate which would be in keeping with such a permanent product. Experiments were carried on for more than four years and as a result, it was definitely determined that a lasting finish in almost any color, tone or shade can be applied to the slate at the point of production.

Not only has it been found that this finish gives almost any desired color effect but it also will not stain or fade, craze, crack or peel. It is highly resistant to acids and withstands wear to an unusual degree. In its composition there is nothing poisonous; no oils or fats in the solvents and no chemicals which oxidize.

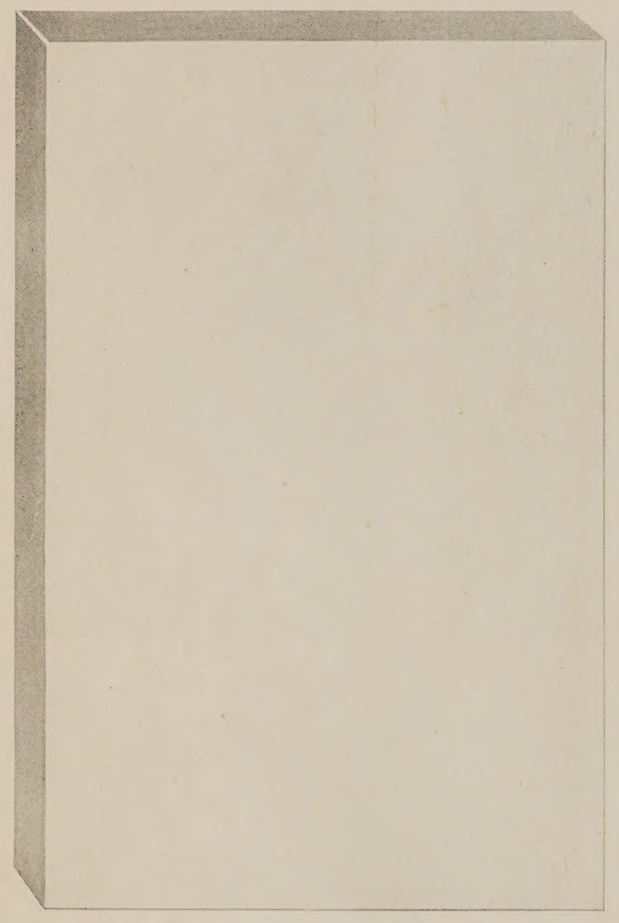
For 12 years before its adaptation to slate, this finish had been used on wood and composition bases, for drainboards, toilet seats, golf balls, and other products where a hard, elastic, non-staining, non-cracking surface is a prime requisite. For all these purposes it has given entire satisfaction. Its most recently developed application is for automobile finishing. Slate, during the tests, showed that because of its non-absorptive structure, it was peculiarly adapted to receive a finish of this sort.

With such a record behind it, it is not surprising that the finish selected should give remarkable results when installed as "Struco Slate." Altho only on the market in commercial quantities for about two years, the installations already made have proven so highly satisfactory that this booklet has been prepared to illustrate a few and list some others. In this way architects, contractors and owners can see the actual effect produced by Struco Slate installations as nearly as is possible by color printing. They can also refer to the list on Page 10 and secure therefrom the address of an installation in their vicinity which can be visited and examined personally.

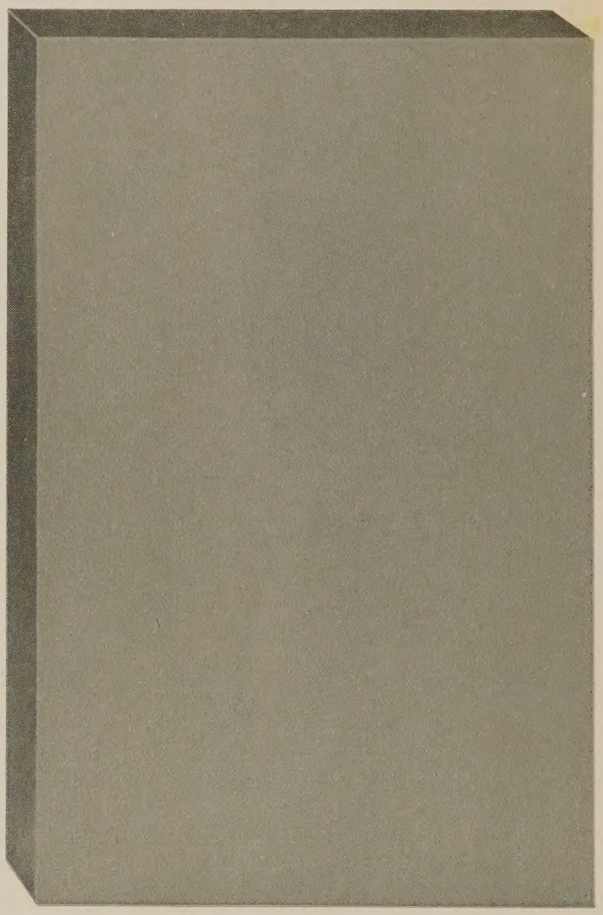
Too much emphasis cannot be placed on the fact that this finish is utilized merely to give added beauty to the natural slate or make it suitable for use in locations which are not adequately lighted. Many materials require an enameled or otherwise glazed or polished surface to protect them. On structural slate the new finish, through lightening the color, merely extends the usefulness of its natural characteristics.

Struco Slate Colors and Finishes:

"Struco Slate" will prove especially useful for installations where color harmony is essential, for it is



STRUCO SLATE—1W
White



STRUCO SLATE—2FG
Gray

manufactured not only in the standard colors, shown on Pages 4 and 5, but also in many other colors or combinations of colors some of which are illustrated on this page as well as in the other pictures.

Two Standard Finishes—Underlying the white, the solid colors and the "spattered" effects, all of which have an eggshell finish on the face, the surface of "Struco Slate" will be furnished either smooth rubbed or matt-surfaced.

Smooth Rubbed—Over this surface, the eggshell finish will present a smooth, even plane in both the solid and spattered colors.

Matt-Surfaced—Under the same eggshell finish, the sanded surface will present infinitesimal variations of the flat plane which provide a distinctive matt effect—one which is destined to give "Struco Slate" a front rank among materials affording a combination of decorative, sanitary and utilitarian qualities.

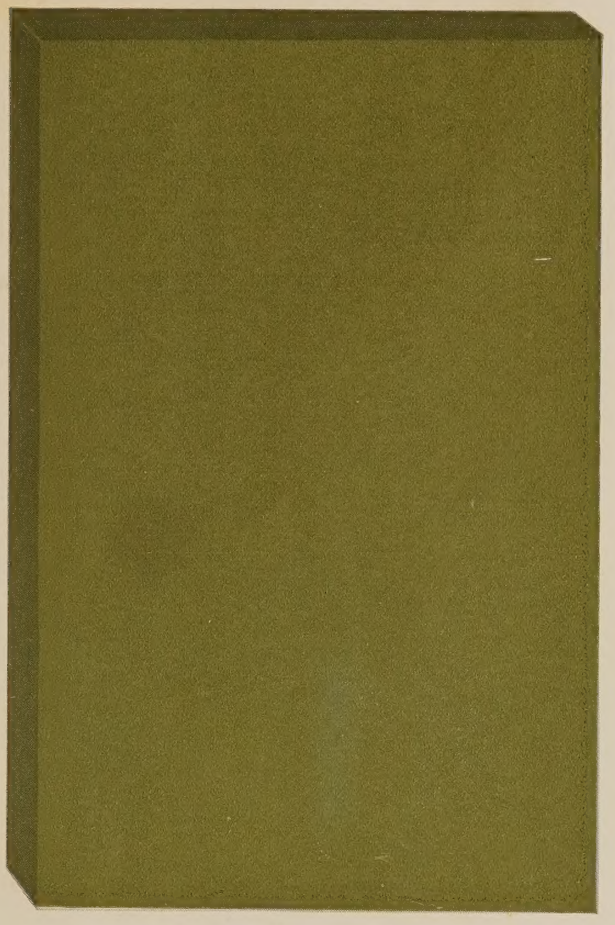
Unless otherwise specified, the color called for in "Struco Slate" installations will be furnished with the matt-surfaced finish underlying the eggshell finish.

Integral Penetration—Either three or four coats of the Struco finish are applied, according to the use and effect desired.

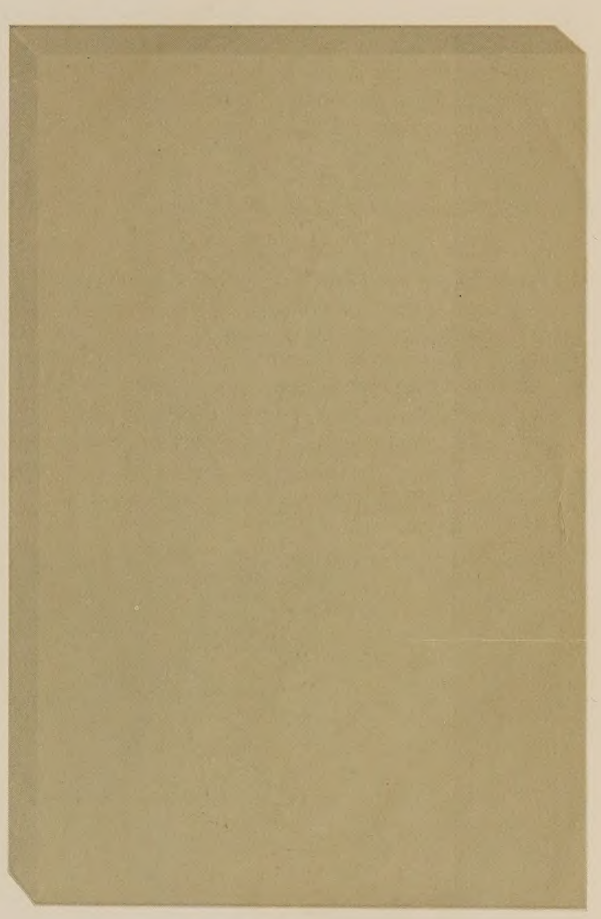
Special attention is called to the fact that since the solvents in each coat react upon those in all the previous coats, there is penetration entirely through, and the result is a multiple single coat.

No Cost for Maintenance or Repairs—"Struco Slate," during the lifetime of a building, should require no expense for upkeep or repairs. However, should the surface be accidentally scratched or marred, it may be readily repaired through this characteristic of integral penetration.

A can of Struco repairing material is furnished with each installation. This may be applied to the scratched portion with a putty knife or small brush, and will not merely hide the defect, but will become an integral part of the original coating.



STRUCO SLATE—3OG
Olive Green



STRUCO SLATE—5GG
Goose Gray

USES OF STRUCO SLATE

It will be readily apparent that by specifying Struco Slate the architect, contractor and owner are able to take advantage of those features which have made slate so appropriate for all types of installations and, in addition, secure almost any color desired.

For those architects, engineers, contractors and others desiring more detailed information regarding the technical phases of this finish and its application or samples of any obtainable color for approval, request should be made to the Structural Slate Company, Pen Argyl, Pa.

Toilet Enclosures and Shower Stalls:

Toilet Enclosures and Shower Stalls will in all probability be the first locations for which slate with this finish will appeal to the architect, contractor and owner. This is quite natural, for these installations are all too often placed in some room which receives insufficient natural light and for this reason require a material with as much reflecting power as possible.

Now that Struco Slate is available this factor becomes a strong additional argument in favor of the use of this natural product. All backs, partitions and stiles can be furnished in the color selected and all the fittings, trimmings and accessories can be finished to match when it is desirable to secure a uniform color throughout. For slabs under toilets and receptors for shower stalls, this finish provides a surface which is sanitary and easily kept clean. Standard Sizes and Types of Toilet Enclosures have been adopted by the Structural Slate Company and are fully described and illustrated in Chapters 6 and 7 of a series on Structural Slate. See Page 12 for a complete list of chapters.

Urinal Stalls:

Another type of installation for which Struco Slate will be welcomed is that of Urinal Stalls. For these fixtures slate has always been a standard except where

a light color has been demanded. Standard Sizes and Types have also been adopted for Urinal Stalls and will be found in Chapter 6, together with information regarding state laws and regulations governing Toilet Requirements, which will be of interest and value to every designer.

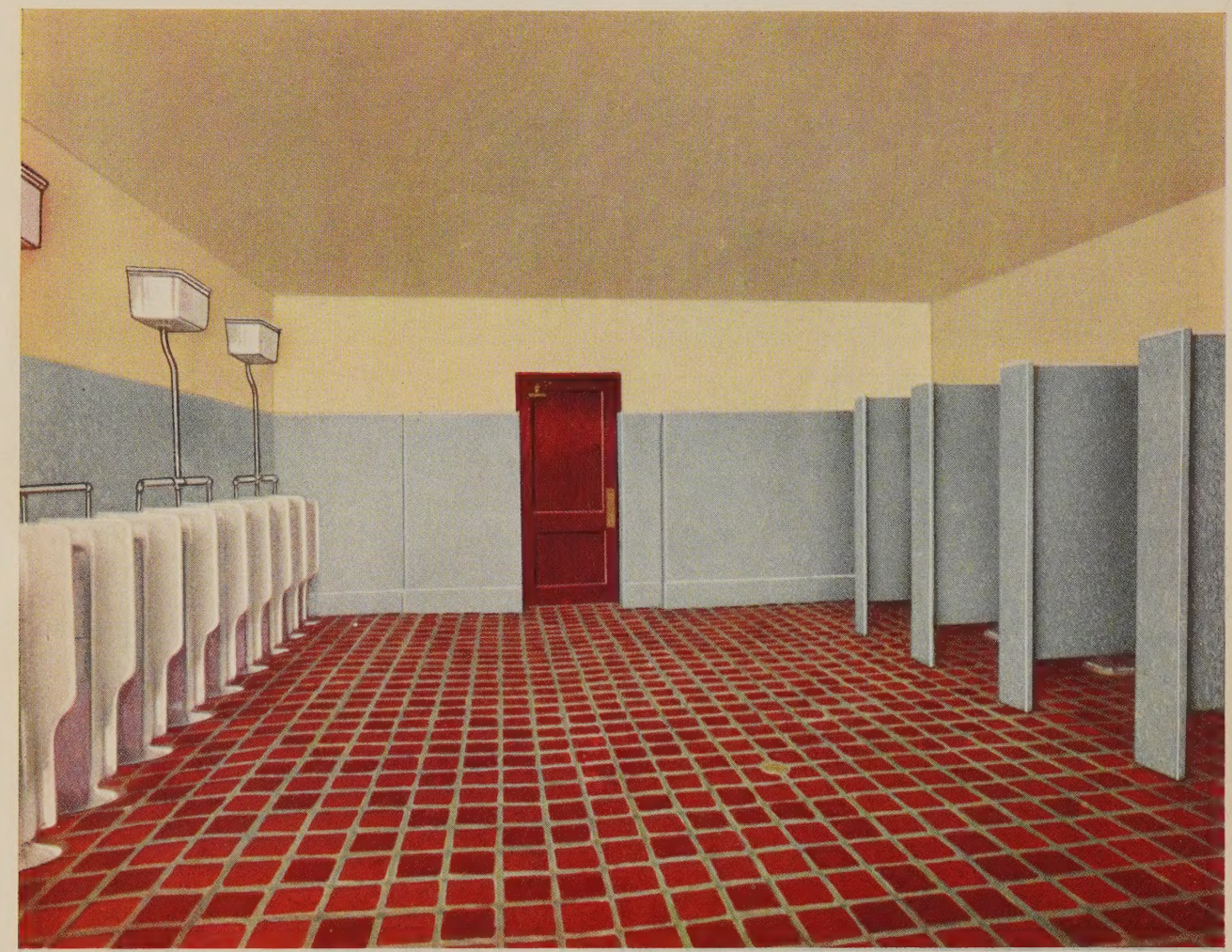
Wainscots and Bases:

Struco Slate is especially adapted for wainscots and bases in halls, corridors or rooms in which a sanitary, easily cleaned finish is desired. This is particularly true of schools, apartment houses, hotels and similar buildings.

During the past few years, there has been an increasing tendency among architects to use more color in bathrooms, kitchens, laundries and other locations requiring sanitary installations and to specify less and less the "all-white" treatment. Altho white requirements will probably always predominate, it is here that wainscots and bases of Struco Slate will be found additionally useful, for it can be furnished in any shade or tone or in combinations of colors such as those shown herein. Without imitating any other material or product, it can be used with freedom and economy on its own merits and appearance.

Separate Product:

The manufacture of Struco Slate is a distinct and separate branch of the production of the Structural Slate Company and the term STRUCO SLATE is the registered trademark designation for this material which is marketed as a separate product without conflict with natural slate in its many diversified uses. The Structural Slate Company has also registered the trademark name "Sturdy Slate" by which name STRUCO SLATE was first offered.



Coventry Road School,
Cleveland, Ohio.

Toilet Enclosures,
Gray Spatter Struco Slate

SPECIFYING STRUCO SLATE

It is suggested that the individual chapters of the series on Structural Slate, each of which contains specifications for the type of installation described therein, be consulted and that Chapter 2—"Basic Specifications" be referred to before writing specifications for slate installations.

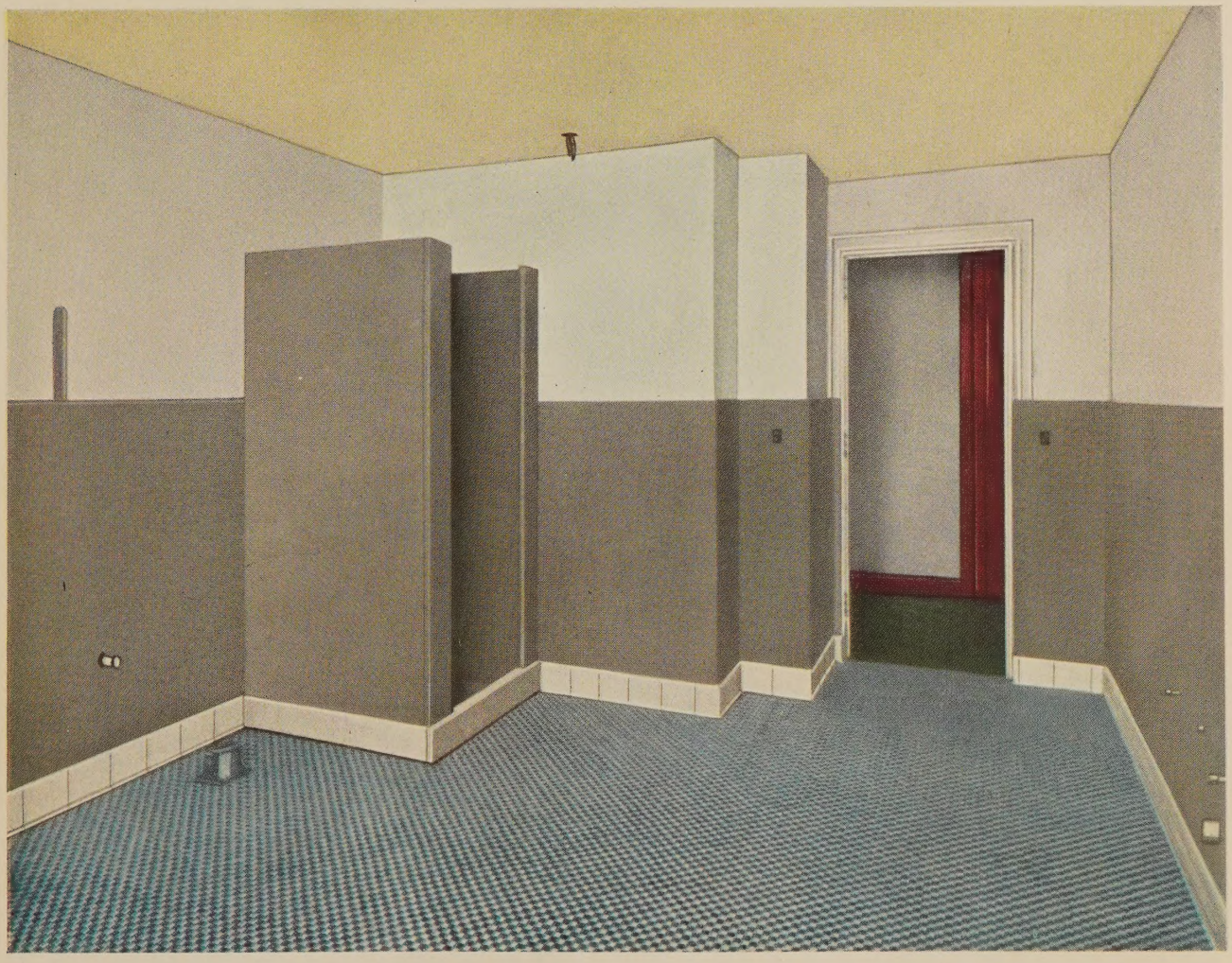
These specifications are complete and cover all details in connection with the furnishing and installing of any type of slate products. The only revision required is to call for Struco Slate as indicated in the following typical specification for Shower Stalls. If other than the standard types and sizes are to be used, the specifications can be made to apply to any requirement or size by very simple revision.

Suggested Form of Specification for Shower Stalls of Struco Slate:

Note to Specification Writer.

Chapter 2 of the series on Structural Slate contains a basic specification for the furnishing and erecting of all Types of Wall Slabs, Enclosures, Urinals, Showers, Stairways, etc. Included in that basic specification are general conditions applicable to all installations which may be incorporated into individual specifications, if desired. They consist of fourteen paragraphs, covering furnishing, delivery and erection of the slate. It is not necessary that the General Conditions be repeated in full, therefore a brief form is suggested below.

Following this brief form is a suggested method of specifying slate shower stalls. The same is applicable for inclusion either under the Plumbing Work or as a separate Section on Slate, if desired. Notes are included with respect to items which may or may not become a part of other contractors' work. Dotted lines or brackets indicate places to be filled in to suit individual requirements.



Girls' League House,
Cleveland, Ohio

Wainscoting and Enclosures, Eight Rooms,
Gray Struco Slate

SHOWER STALLS:

(a) The General Conditions, Paragraphs 1 to 14, inclusive, as printed in Chapter 2 on Structural Slate, copyrighted by and registered with the Structural Service Bureau of Philadelphia, bearing date of April 15, 1920, are hereby made to constitute the General Conditions of this specification, except as they may be herein specifically modified for slate shower stalls.

(b) Furnish and install all shower stalls and leave rigid and complete in the location shown and, in extent, to the number of stalls and dressing rooms indicated on plans, including all metal work in accordance with the Pyramid descriptions. Those in the various rooms or other places to be as follows:

(c) In (Men's Lavatory in Basement) all to be Struco Slate, White, Color No. 1W of Type C as illustrated and described on pages 12 and 13 in Chapter 7 of a series on Structural Slate, issued May 13, 1921, by The Structural Slate Co., Pen Argyl, Pa.

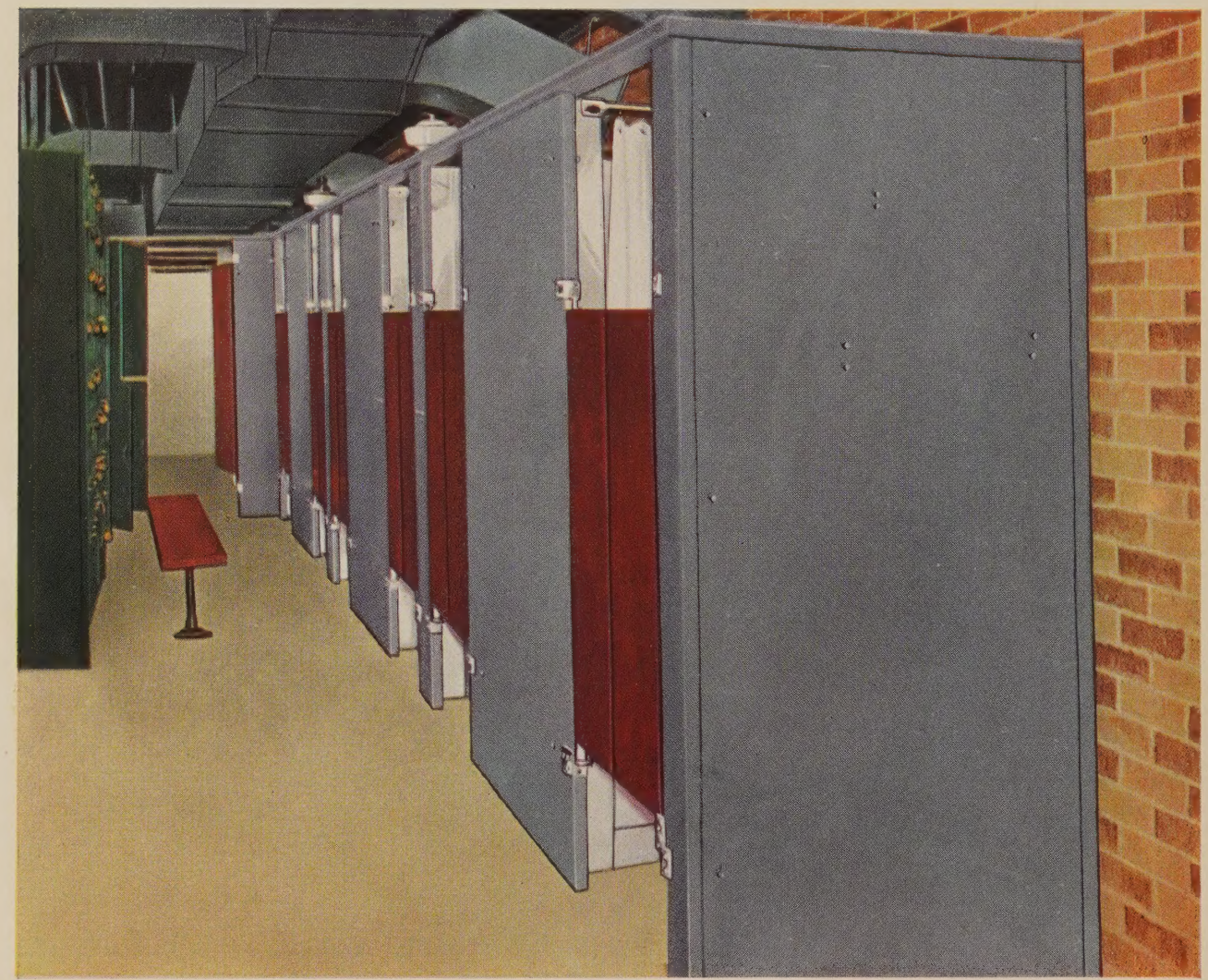
(d) In (Girls' Toilet Room in Basement) all to be Struco Slate, Gray, Color No. 2FG of Type D as shown on pages 16 and 17 of same Chapter.

(e) In (Men's Toilet Room, First Story) to be Struco Slate, White, Color No. 1W of Type A alternate, arranged for lead pan as shown on pages 4 and 5 of same Chapter.

(f) In (Women's Toilet Room, First Story) to be Struco Slate, Special Color to match sample in Architect's office, Type DD for lead pan as shown on pages 18 and 19 of same Chapter.

(g) Shower stalls in. . . are to have Pyramid doors No. . . with hardware as follows (give various numbers. . . . .) as illustrated in Chapter 4. Each door and all hardware shall be furnished and hung by the Slate Contractor and left ready for finishing by the Painting Contractor.

NOTE: If the doors are to be furnished by another contractor, Paragraph (g) should be changed to suit and under Carpentry, Mill Work and Hardware, provisions should be made accordingly.



Ambridge School,
Ambridge, Penna.

Girls' Combination Shower Stalls and Dressing Rooms
Gray Struco Slate

(h) All floor slabs shall be securely and solidly bedded in mortar composed of one volume of cement, one volume of lime and six volumes of sand on foundations furnished by other Contractors. All joints shall be made and slabs secured in accordance with Pyramid Standard details. Joints shall be set with a full packing of glycerine and litharge or approved waterproof cement colored to match the slate.

NOTES: If shower floor slabs are set over wooden joists, provide under Carpenter Work how preparation shall be made for receiving concrete foundations. In any case provide under appropriate Section of the Specification for the construction of such foundations formed ready to require only the slate setter's mortar bed.

Specify that the desired kinds of shower heads, valves, curtains and hooks shall be furnished by the Plumbing Contractor and that all piping of every description for supplies shall be done by him as a part of the Plumbing Work. Heads, valves and curtains may be selected from Chapter 4 and specified accordingly.

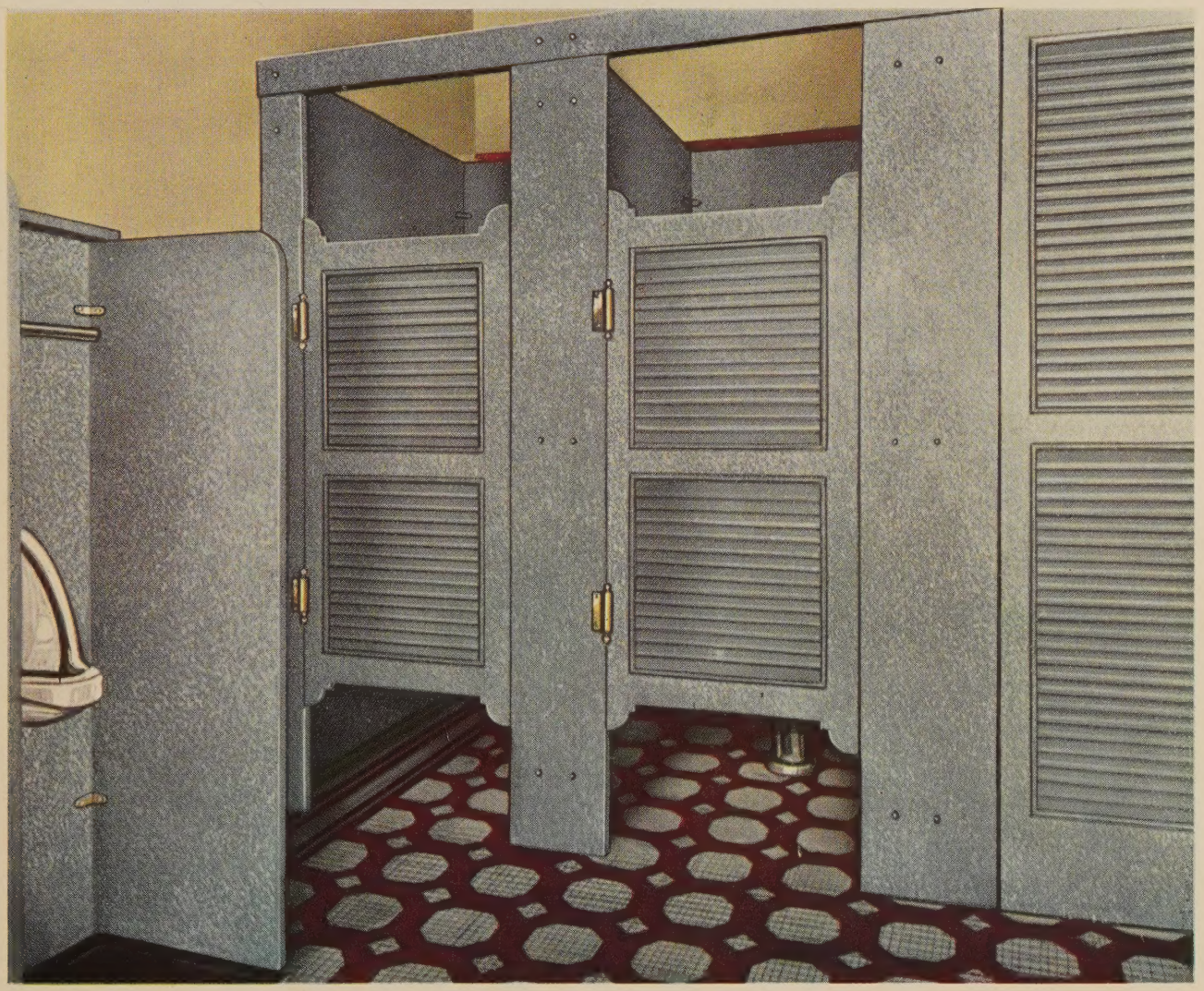
Specify that the Plumbing Contractor shall set and connect to the double drainage drain with which all showers are equipped, furnishing and installing all such other drainage requirements in accordance with the remainder of the specifications, as are not regularly furnished with the showers as described in connection with Pyramid Standards.

Where lead pans are to be used specify that plumber is to furnish lead of weight desired and fit and set same in position properly connected to the drain ready for setting of slate floor slabs.

Where it is desired to use the Standard type shower, but of a size not shown in this Chapter, the following orm is suggested.

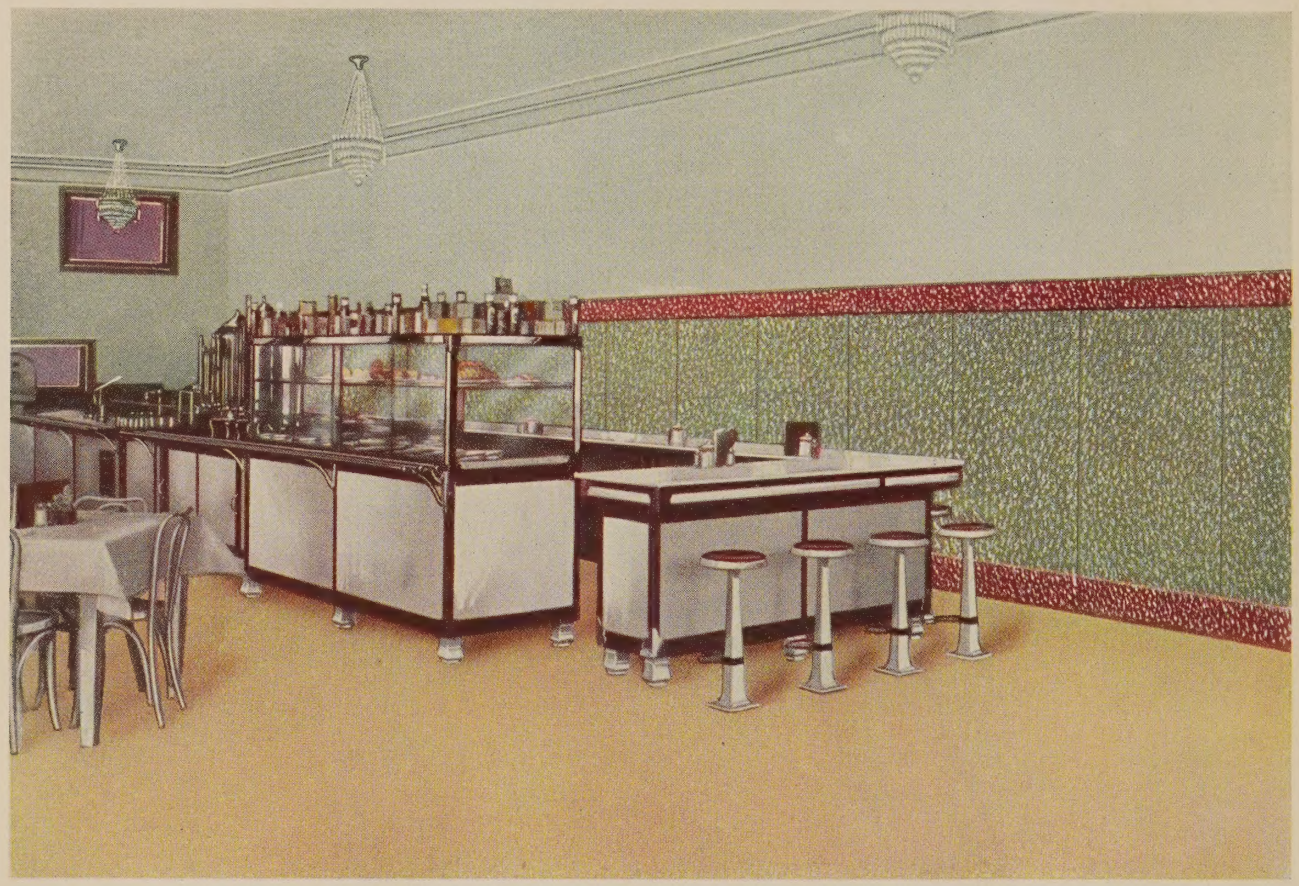
(i) (Same as Paragraph (c) to end and add) except that size of shower stalls shall be . . . . .

If it is desired to set any shower stall enclosures directly on any floor, this may be done by omitting the slate floor slab. If to be set directly upon a slate base or cove, or a cove of tile, cement or other material with which the floor may be surfaced, this will require special mention in the specifications and separate detailing.



Jacksonian Club,
Bangor, Penna.

Toilet Enclosures,
Gray Spatter Struco Slate



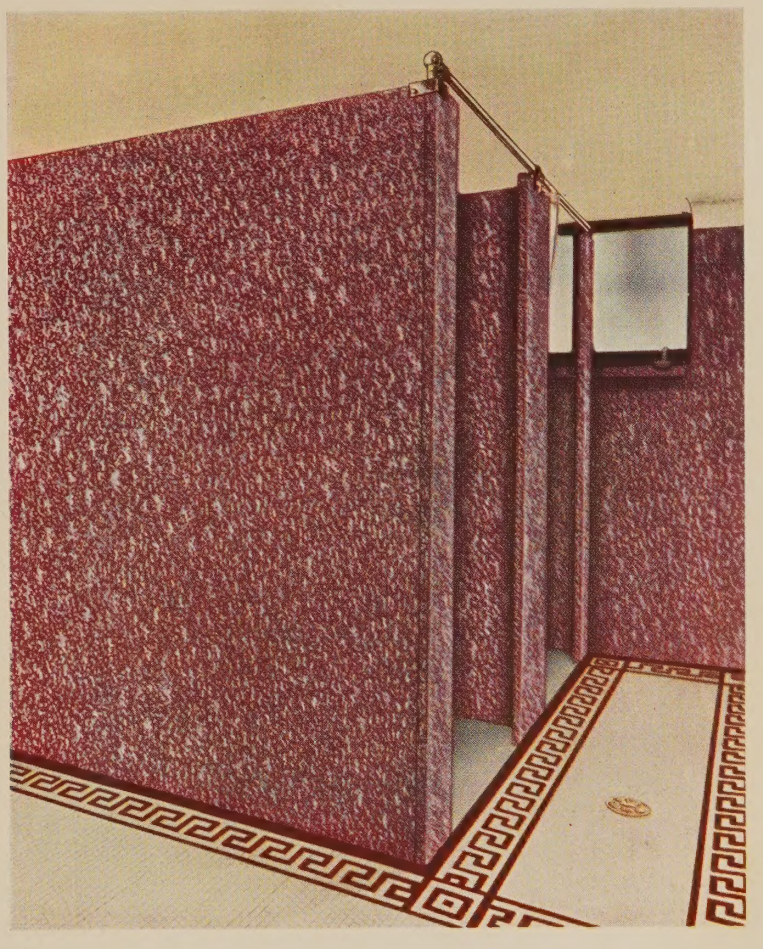
Martha Washington Café,
Bloomsburg, Penna.

Caps and Base—Red Spatter Struco Slate
Panels—Green Spatter Struco Slate

SOME RECENT STRUCO INSTALLATIONS

PROJECT	INSTALLATION	COLOR
Swissvale School	Toilets	White
Girls' League House Cleveland, Ohio	Showers	Gray
Y. W. C. A., Flint, Mich.	Toilets	White
Lancaster Co. Mem. Masonic Home, Elizabethtown, Pa.	Toilets	Gray Spatter
St. Johns Baptist R. C. Church Pottsville, Pa.	Toilets	White
Elks' Home Bangor, Pa.	Showers	Red Spatter
Animal Hospital Wash, D. C.	Kennels	White
Martha Washington Café Bloomsburg, Pa.	Wainscoting Base	Gray Spatter Red Spatter

PROJECT	INSTALLATION	COLOR
Lee St. School Add., Grand Rapids, Mich.	Showers	White
Jacksonian Club Bangor, Pa.	Toilets, Urinals Base & Wainscoting	Gray Spatter
Theo. Roosevelt School, Tampa, Fla.	Toilets	White
Knights of Columbus Hall Braddock, Pa.	Toilets	Gray
Church Bangor, Pa.	Toilets	White
Harrisburg High School, Harrisburg, Pa.	Showers	White
Club House, Zenda, Wis.	Toilets	White
Church, Connellsville, Pa.	Toilets	White



Elks' Home,
Bangor, Penna.

Shower Stalls
Red Spatter Struco Slate

PROJECT	INSTALLATION	COLOR
Monastery W. Springfield, Mass.	Toilets	Gray
Office Building Minneapolis, Minn.	Base	Black
Ambridge School Ambridge, Pa.	Toilets & Showers	Gray
Warren Foundry Phillipsburg, N. J.	Base	White
Gas Handling Plant, Steelton, Pa.	Toilets	White
Coventry Rd. School, Cleveland, Ohio	Toilets	Gray Spatter
Mausoleum Evanston, Ill.	Shelves	White
Residence, East Liberty, Pa.	Sills	Black Spatter
Orphanage, Millmont (Reading) Pa.	Toilets	White
Roosevelt School, Allentown, Pa.	Showers & Toilets	Gray Spatter
Forrest Hill School Akron, Ohio.	Toilets	Gray Spatter
Town Hall, Canton, Ohio.	Shower	White
Galion High School Galion, Ohio	Showers & Toilets	Gray Spatter
East High School Youngstown, Ohio	Showers & Toilets	Gray

EXCERPT FROM LETTER FROM MR. ABRAM GARFIELD, ARCHITECT, CLEVELAND, OHIO

During the past year we used some of your "Sturdy Slate," for wainscots and partitions in the toilet rooms of a dormitory building. The results were so good that we are considering the use of the same material, which we note in Sweet's catalogue is now called "Struco Slate," for another dormitory building.

STRUCTURAL SLATE AND ITS USES

A Briefly Descriptive List of the Publications of the Structural Slate Co.

CHAPTER 1—Commercial Gradings and Standard Finishes. Origin, Geologic Data, Structure and Characteristics, Extraction and Milling.

CHAPTER 2—Basic Specifications. Essential information, specifications and preparatory work for all slate installations.

CHAPTER 3—Stairways. Specifications, detail drawings, illustrations and data concerning stairways.

CHAPTER 4—Fittings, Trimmings and Accessories. Illustrating and describing those used with Structural Slate.

CHAPTER 5—Toilet Enclosures. Standardized sizes and parts. Perspectives, detail drawings and specifications.

CHAPTER 6—Urinal Stalls. Standardized sizes and parts. Perspectives, detail drawings and specifications.

CHAPTER 7—Shower Stalls. Standardized sizes and parts. Perspectives, detail drawings and specifications.

CHAPTER 8—Laundry Tubs, Sinks and Sink Tops. Standardized sizes and parts. Drawings and specifications.

CHAPTER 9—Caps, Bases, Wainscots and Floors. Standardized sizes and parts. Drawings and specifications. Includes plinths, thresholds, angles, coves and floor designs.

CHAPTER 10—Architectural Uses of Slate. Drawings, details and data for Hearths, Fireplaces, Registers, Door and Window Sills, Copings, Steps, Paving, Curbs, Areas, Dampproofing, Chimney Caps, Base Courses, Fence Posts, Shelving.

CHAPTER 11—Miscellaneous Uses of Slate. Drawings and data for Laboratory and Tannery Table Tops, Vats, Tanks, Aquaria, Candy Table Tops, Dental Table Tops, Moisture and Specimen Cabinets, Billiard Tables, Lithograph Stones, Greenhouse Benches, and for such uses as in the production of chemicals, water filter equipment and soda fountains.

CHAPTER 12—Electrical Uses of Slate. Drawings, specifications, tests and recommended methods of installation.

CHAPTER 13—Grave Covers and Vaults, Mausolea and Crypts. Drawings, details, data and specifications.

And also **Structural Slate for School Buildings.** Data on and illustrations of the uses of slate for various school equipment and summaries of each chapter relating to same.

THE STRUCTURAL SLATE CO.

PEN ARGYL, PENNSYLVANIA

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